PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

SEMICONDUCTOR ENERGY LABORATORY CO., LTD.

398, Hase, Atsugi-shi, Kanagawa 2430036 Japan

REC'D 12 MAY 2005 PCT WIPO

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Date of mailing (day/month/year)

10.05.2005

Applicant's or agent's file reference 00000PCT7731

FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/002681 International filing date (day/month/year)

Priority date (day/month/year)

15.02.2005

17.02.2004

International Patent Classification (IPC) or both national classification and IPC

Int.Cl. B05D1/26, H01L21/28, 21/288, 21/3205, 21/336, 29/786

Applicant

SEMICONDUCTOR ENERGY LABORATORY CO., LTD:

1.	This	opinion conta	ins indications relating to the following items:	S :
	V	Box No. I	Basis of the opinion	

Box No. II

Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III

Box No. IV Lack of unity of invention

Priority

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; Box No. V

citations and explanations supporting such statement

Box No. VI Certain documents cited

Box No. VII Certain defects in the international application

Certain observations on the international application Box No. VIII

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Scarching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Date of completion of this opinion 19.0	1.2005
Name and mailing address of the ISA/JP	Authorized officer 4M 2934
Japan Patent Office	TAKASHI WATAHIKI
3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915,	apan Telephone No. +81-3-3581-1101 Ext. 3460

Form PCT/ISA/237 (cover sheet) (January 2004)

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/JP2005/002681

Box	No. I	Basis of the opinion
1.	which i	gard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.
	Т	his opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under
	F	tules 12.3 and 23.1(b)).
2.	With re	gard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the invention, this opinion has been established on the basis of:
	a. type	of material
	Γ-	a sequence listing
	1	table(s) related to the sequence listing
	b. form	at of material
	<u> </u>	in written format
	٢	in computer readable form
	c. time	of filing/furnishing
		contained in the international application as filed.
	<u></u>	filed together with the international application in computer readable form.
	_	furnished subsequently to this Authority for the purposes of search.
3.		n addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additio	onal comments:
		·
	•	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/JP2005/002681

	soned statement un tions and explanati		bis.1(a)(i) with regard to novelty, inventive steping such statement	or measures opposite
1. Statement				
Novelty (1	n	Claims	2-22	YES
11010115 (1	•	Claims	1	NO NO
Inventive	sten (IS)	Claims	8,13-15,17-22	YES
mvcintivo	Stop (xis)	Claims	1-7,9-12,16	NO NO
Industrial	applicability (IA)	Claims	1-22	YES
mousurus	аррилания (2-1)	Claims		NO

2. Citations and explanations

D1:JP 11-207959 A (SEIKO EPSON CORPORATION)1999.08.03,

WHOLE DOCUMENT, FIG. 8 (FAMILY: NONE)

D2:JP 2003-59940 A (FUJI PHOTO FILM CO., LTD.) 2003.02.28, WHOLE DOCUMENT, FIGS. 1-4 (FAMILY: NONE)

[Claim 1]

The subject matter of claim 1 does not appear to be novel with respect to D1 cited in the ISR.

D1 discloses that the droplet flows into the lyophilic region from the non-lyophilic region and the amount of the droplet is enough to overflow from one lyophilic region.

Therefore the droplet flowing into the lyophilic region from the non-lyophilic region is a part of the droplet dropped on the non-lyophilic region.

[Claims 2-7, 9-12, 16]

The subject matter of claims 2-7,9-12,16 does not appear to involve an inventive step in view of D1 and D2.

The method of using a photocatalyst is known in the art for forming a lyophilic region and a non-lyophilic region, as described in D2.

[Claims 8,13-15,17-22]

The subject matters of claims 8,13-15,17-22 are neither disclosed in any of the documents cited in the ISR nor obvious to a person skilled in the art.